Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-10 (canceled).

12. (new) A device for extending bones comprising a first element and a second element, drive means associated with said first element for moving the first element and second element relative to each other, said drive means comprises an electric motor, a drive shaft having one and connected to the electric motor and another end connected to a driven system which is associated with the second element, guide means located on the first element in an area between the electric motor and the driven system for receiving the second element wherein said first element and second element are moved axially relative to one another without radial torsion, said guide means comprises an inner surface on the first element having a polygonal configuration which receives a correspondingly shaped outer surface of said second element.

13. (new) The device as claimed in claim 12, wherein the first element is configured as a receiving sleeve in which at least one radial locking bore is provided.

14. (new) The device as claimed in claim 13, wherein the drive element is fitted in the receiving sleeve and drives via the drive shaft, the driven system which comprises one of a planetary roller system and a spindle system.

15. (new) The device as claimed in claim 12, wherein at least sensor means is assigned to the drive means, wherein the sensor means is connected with an electronics unit.

16. (new) The device as claimed in claim 12, wherein an inner cross section of the second element is configured as a cylindrical bore provided with an inner circumferential surface having a thread which engages with the driven system on the drive shaft.

17. (new) The device as claimed in claim 12, wherein the second element has at least one radial locking bore at an end for securing to a bone.

18. (new) The device as claimed in claim 15, wherein the correspondingly shaped outer surface of the second element engages with an exact fit in the polygonal configuration of the first element, and an end area of the first element, provided with a configured guide element having a polygonal inner cross section ensures that the second element is guided in a manner secure against radial torsion, wherein at least one sealing element is inserted between the first and second elements.

19. (new) The device as claimed in claim 18, wherein an end of the first element lying remote from the end area of the first element, an energy and data transmission unit, is inserted which acts in two directions a contactless manner and is connected to one of the drive means and electronics unit.

20. (new) The device as claimed in claim 12, wherein the second element engages as an outer sleeve over the first element and receives the first element inside it and guides it in a manner

secure against torsion.